



2009 Hessian Fly Seed Treatment Trial #2 –  
Riley Co., KS.

Jeff Whitworth, Holly Davis, Department of Entomology,  
Kansas State University

Pest: Hessian fly, *Mayetiola destructor* (Say)

Crop: Wheat; 8 treatments

Location: K-State growth chamber, Manhattan, KS

Planting Date: 01 April, 2009

Infestation Dates: 08 April, 2009 (Approx. 12 female HF's / treatment) – 1 week after planting

Rating Date: 30 April, 2009

Experimental Design: Completely Randomized. Each pot contained 4 replications and each replication consisted of 6 plants

Evaluation: Counted number of larvae and/or pupae (flaxseeds) on 4 plants/replication.

**2009 Hessian Fly Seed Treatment Trial #2–  
Riley Co., KS.**

**Planting Date:** 01 April, 2009

**Infestation Date:** 08 April, 2009

**Rating Date:** 30 April, 2009

Treatment #	Treatment	Hessian Flies / 4 plants (mean ±SE)
1	Bayer - Gaucho XT	11.25 ± 3.66bc
2	Gaucho XT, imidacloprid, metalaxyl, tebuconazole	7.25 ± 1.49bcd
4	Ipconazole – metalaxyl	14.25 ± 1.93b
5	Ipconazole – metalaxyl, imidacloprid Attendant 480	0.00 ± 0.00d
6	Vitaflo 280, Attendant 480	0.00 ± 0.00d
7	Dividend XL RTA, Cruiser 5 FS	2.75 ± 1.25cd
8	Ipconazole, metalaxyl, imidacloprid,	0.75 ± 0.48d
9	Gaucho XT	1.00 ± 0.41d
10	Untreated	61.00 ± 8.38a

Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

**Kansas State University Agricultural Experiment Station and Cooperative Extension Service**

K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating, Fred A. Cholick, Director.